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(54) 14-Beta-gal mammalian lectins.

(57) Human HL-60 lectin having an amino acid sequence different from other known animal lectins is disclosed. This is one member of a class of mammalian lectins extractable in lactose or detergent and specific for beta-D-galactosides (14-beta-gal lectin which contains at least one glycosylation site). Recombinant methods and materials for production of the mammalian 14-beta-gal lectins, especially HL-60 lectin, in a variety of hosts, and methods to utilize the resulting lectins are also described. Human HL-60 lectin is found in HL-60 cells and in placental tissue.

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EUROPEAN SEARCH REPORT

Application number

EP 89 30 3714

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 122, no. 3, August 16, 1984, pages 938-944, Academic Press, Inc., New York, US; J. HIRABAYASHI et al.: "Human placenta beta-galactoside-binding lectin. Purification and some properties" * The whole article *	1-3, 6-11	C 12 N 15/00 C 07 K 13/00 C 12 P 21/02 C 12 N 1/00 A 61 K 37/46
Y	--	12-18	
X	J. BIOCHEM., vol. 101, no. 4, 1987, pages 987-995, Tokyo, JP; J. HIRABAYASHI et al.: "Further characterization and structural studies on human placenta lectin" * The whole article *	1-3, 6-11	TECHNICAL FIELDS SEARCHED (Int. Cl. 4) C 12 N A 61 K
Y	--	12-18	
X,D	PATENT ABSTRACTS OF JAPAN, vol. 10, no. 31 (C-327)(2088), February 6, 1986; & JP-A-60 184 020 (SEIKAGAKU KOGYO K.K.) 19-09-1985 * Abstract *	1-3, 6-11	
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<div> <div>Place of search</div> <div>Date of completion of the search</div> <div>Examiner</div> </div> <div> <div>THE HAGUE</div> <div>11-05-1990</div> <div>CORNEC</div> </div>			
<div> <div>CATEGORY OF CITED DOCUMENTS</div> <div> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document </div> <div> T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document </div> </div>			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.
- namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

1. Claims 1-18: As relating to a 14Kd-beta-gal mammalian lectin and its obtention by recombinant means, and cells used.
2. Claims 19-22: Pharmaceutical preparation containing this lectin and use of this lectin for medicaments.

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.
- namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.
- namely claims: 1-18

